

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-34 (canceled)

35. (Currently amended) A method of removing a pollutant comprising a step of forming an intermediate in the production of a carbonaceous mixture that comprises carbon nanotubes, wherein the carbon nanotubes further comprise at least one of a C₁, C₂, C₃, C₄, and C₅ radical, and wherein the intermediate comprises a carbonaceous feedstock and at least one compound according to the general formula MXO_n, wherein M is selected from the group consisting of H, NH₄, Na, and K, wherein X is selected from the group consisting of Cl, Br, and I, and wherein n is an integer between 1 and 4, inclusive; and further comprising a step of using the carbonaceous material to remove the pollutant.
36. (Currently amended) The method intermediate of claim 35 wherein the nanotubes in the carbonaceous mixture are present in an amount of at least 10%.
37. (Currently amended) The method intermediate of claim 35 wherein the nanotubes have a size of between 1 nm to 10 nm.
38. (Currently amended) The method intermediate of claim 35 wherein the nanotubes further comprise a carbon radical having a hexagonal ring structure comprising at least one of a C₁, C₂, C₃, C₄, and C₅ radical.
39. (Currently amended) The method intermediate of claim 35 wherein the carbonaceous feedstock and the at least one compound are present in an amount of 2:1.
40. (Currently amended) The method intermediate of claim 35 wherein the carbonaceous feedstock comprises graphite flakes or graphite powder.
41. (Currently amended) The method intermediate of claim 35 wherein M is H.
42. (Currently amended) The method intermediate of claim 35 wherein M is NH₄.

43. (Currently amended) The method ~~intermediate~~ of claim 35 wherein M is Na.
44. (Currently amended) The method ~~intermediate~~ of claim 35 wherein M is K.
45. (Currently amended) The method ~~intermediate~~ of claim 35 wherein X is Cl.
46. (Currently amended) The method ~~intermediate~~ of claim 35 wherein X is Br.
47. (Currently amended) The method ~~intermediate~~ of claim 35 wherein X is I.
48. (Currently amended) The method ~~intermediate~~ of claim 35 wherein n is 1.
49. (Currently amended) The method ~~intermediate~~ of claim 35 wherein n is 2.
50. (Currently amended) The method ~~intermediate~~ of claim 35 wherein n is 3.
51. (Currently amended) The method ~~intermediate~~ of claim 35 wherein n is 4.